Name\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Date \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Block \_\_\_\_\_

Element Baby Book and 3-D Model

You will adopt one element from the periodic table. The element you choose must have an atomic number between 3-36. As a proud parent of your element, you will **create a baby book** to remember each stage of your elements life. Be creative and original. Please be neat.

Next **create a 3D model** of an atom of your element using any materials you deem necessary.

You must include and label the following parts: protons, neutrons, electrons, nucleus, and electron shells. Make sure your name is on both your Baby book and your 3-D model.

Book Layout:

Cover page: decorative cover

* your name and element’s name (give it an actual name)

page 2:

* Table of Content

page 3: Birth Certificate

* elements name (carbon) and the name you have given it (ex. Cassie Carbon)
* year born (date of discovery)
* biological parents (who discovered it)
* adopting parent (you)
* Place of birth (country discovered in)
* Your signature

page 4: picture of element (draw a person)

* number of protons is the body
* number of neutrons are legs
* number of electrons are arms
* atomic number is the head
* include a Bohr model (you must draw this not cut and paste from the internet)

Page 5: Poem about the element

Page 6: Personal Information

* Family name (family or group it belongs to)
* Address (period and discoverer’s last name + drive/circle/court/road)
* Brothers and sisters (names of other family members)

Page 7: Characteristics

* What makes it sad (melting point)
* What makes if mad ( boiling point)
* Friends (other elements it likes to bond with)
* Type of person (state of matter and classification of metal/nonmetal/metalloid)

Page 8: Career Path

* What does your element want to be when it grows up? (uses for element in daily life)
* Include a picture

Use the checklist below to gather your information on

Checklist

1. name of element \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
2. chemical symbol \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
3. atomic number \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
4. atomic mass \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
5. # of protons \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
6. # of electrons \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
7. # of neutrons \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
8. date of discovery \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
9. discoverer \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
10. country/place of discovery \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
11. boiling point \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
12. melting point \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
13. state of matter \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
14. family/group \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
15. names of other family/group members \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
16. period (address) \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
17. uses for element (career) \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
18. type of element (metal/nonmetal/metalloid) \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_